

L4	80	(US-20040218518-\$ or US-20040159707-\$ or US-20040076105-\$ or US-20040050939-\$ or US-20010038588-\$ or US-20050126698-\$ or US-20050035201-\$ or US-20040041711-\$ or US-20040008612-\$ or US-20030136846-\$ or US-20020153421-\$ or US-20020138808-\$ or US-20020104882-\$ or US-20020014534-\$ or US-20010054134-\$ or US-20010046613-\$ or US-20030193882-\$ or US-20030108708-\$ or US-20040258871-\$ or US-20020034155-\$ or US-20050169162-\$ or US-20050169117-\$ or US-20040247816-\$ or US-20030039191-\$ or US-20020136124-\$ or US-20050048320-\$).did. or (US-20050111344-\$ or US-20040228255-\$ or US-20040013062-\$ or US-20040179455-\$).did. or (US-6502755-\$ or US-6088319-\$ or US-6056197-\$ or US-5763868-\$ or US-5696368-\$ or US-5638345-\$ or US-5248584-\$ or US-5173391-\$ or US-4972402-\$ or US-4916687-\$ or US-4871601-\$ or US-4656346-\$ or US-4634850-\$ or US-5895909-\$ or US-6934098-\$ or US-6789738-\$ or US-6775080-\$ or US-6561420-\$ or US-6550678-\$ or US-6499659-\$ or US-6339569-\$ or US-6311893-\$ or US-6277461-\$ or US-5942744-\$ or US-5777307-\$ or US-5748600-\$).did. or (US-5744792-\$ or US-5516469-\$ or US-5332890-\$ or US-4868373-\$ or US-4727533-\$ or US-5017414-\$ or US-6454915-\$ or US-6787211-\$ or US-6280809-\$ or US-6625107-\$ or US-6498777-\$ or US-4171879-\$ or US-6199761-\$ or US-4810868-\$ or US-4807220-\$ or US-4719594-\$ or US-5591501-\$ or US-4797752-\$).did. or (JP-2005100477-\$ or JP-2003045081-\$ or JP-2002342924-\$ or JP-10168889-\$ or US-08156469-\$ or JP-08142550-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2005/09/30 10:12
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L5	15	4 and concentric same spiral	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/30 10:12
S1	7428	("235"/\$.ccls. "369"/\$.ccls.) and (card or carrier) with (optical\$2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 12:50
S2	1580	("235"/\$.ccls. "369"/\$.ccls.) and (card or carrier) with (optical\$2) with (arch or arc or circular or track or ring or circle or spiral\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 12:51
S3	102	("235"/\$.ccls. "369"/\$.ccls.) and (card or carrier) with (optical\$2) with (arch or arc or circular or track or ring or circle or spiral\$4) same (cut or cutting or "cutoff" or attach\$4 or adher\$4 or bond\$4 or adhesiv\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 12:52
S4	116	("235"/\$.ccls. "369"/\$.ccls.) and (card or carrier) with (optical\$2) with (arch or arc or circular or track or ring or circle or spiral\$4) same (cut or cutting or "cutoff" or attach\$4 or adher\$4 or bond\$4 or adhesiv\$4 or heat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 13:07
S5	73	("235"/\$.ccls. "369"/\$.ccls.) and (card or carrier) with (optical\$2) same (strip or piece) with (attach\$4 or cut\$4 or cutoff or adher\$4 or adhesiv\$4 or connect\$4 or bond\$3 or heat\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 13:16
S6	60	S5 not S4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 13:13
S7	1487	("235"/\$.ccls. "369"/\$.ccls.) and (card or carrier) with (optical\$2) with track	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 13:16
S8	769	("235"/\$.ccls. "369"/\$.ccls.) and (card or carrier) with (optical\$2) near3 track	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 13:36
S9	57	("235"/\$.ccls. "369"/\$.ccls.) and (card or carrier) with (optical\$2) near3 track same (attach\$4 or glu\$4 or adher\$4 or adhesive\$4 or heat\$4 or laminat\$4 or dvd or cd)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 14:03
S10	1	"6561420".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 14:03
S11	0	("6561420").URPN.	USPAT	OR	ON	2005/09/28 14:04

S12	26	("4774618"   "4868373"   "4945219"   "5107099"   "5173594"   "5227212"   "5412192"   "5493105"   "5844757"   "5864125"   "5895909"   "5929414"   "5942744"   "6011677"   "6015093"   "6021030"   "6042009"   "6134082"   "6169890"   "6179209"   "6307709"   "6336104"   "6340117"   "6370241"   "6385407"   "6405126").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/28 14:04
S13	26	("4774618"   "4868373"   "4945219"   "5107099"   "5173594"   "5227212"   "5412192"   "5493105"   "5844757"   "5864125"   "5895909"   "5929414"   "5942744"   "6011677"   "6015093"   "6021030"   "6042009"   "6134082"   "6169890"   "6179209"   "6307709"   "6336104"   "6340117"   "6370241"   "6385407"   "6405126").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/28 14:08
S14	1328	optical\$2 with card with (track or arc or arch or circle or circular\$2 or spiral\$2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 14:10

S15	53	(US-20040218518-\$ or US-20040159707-\$ or US-20040076105-\$ or US-20040050939-\$ or US-20010038588-\$ or US-20050126698-\$ or US-20050035201-\$ or US-20040041711-\$ or US-20040008612-\$ or US-20030136846-\$ or US-20020153421-\$ or US-20020138808-\$ or US-20020104882-\$ or US-20020014534-\$ or US-20010054134-\$ or US-20010046613-\$).did. or (US-6502755-\$ or US-6088319-\$ or US-6056197-\$ or US-5763868-\$ or US-5696368-\$ or US-5638345-\$ or US-5248584-\$ or US-5173391-\$ or US-4972402-\$ or US-4916687-\$ or US-4871601-\$ or US-4656346-\$ or US-4634850-\$ or US-5895909-\$ or US-6934098-\$ or US-6789738-\$ or US-6775080-\$ or US-6561420-\$ or US-6550678-\$ or US-6499659-\$ or US-6339569-\$ or US-6311893-\$ or US-6277461-\$ or US-5942744-\$ or US-5777307-\$ or US-5748600-\$).did. or (US-5744792-\$ or US-5516469-\$ or US-5332890-\$ or US-4868373-\$ or US-4727533-\$).did. or (JP-2005100477-\$ or JP-2003045081-\$ or JP-2002342924-\$ or JP-10198983-\$ or JP-08156469-\$ or JP-08142550-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2005/09/28 17:34
S16	43	S15 and track	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 17:57
S17	320	(CD or DvD) with trench	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 17:57
S18	163	(CD or DvD) with trench same layer	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 17:57
S19	6	(CD or DvD) with trench same layer with spin\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 17:58
S20	0	(CD or DvD) same trench same "protective layer"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 17:58

S21	17	(CD or DvD) same trench same layer near3 protect\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 17:59
S22	4	("369"/\$.ccls. "428"/\$.ccls. "235"/\$.ccls. "360"/\$.ccls. "438"/\$.ccls. "257"/\$.ccls.) and card same optic\$4 same trench	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 18:39
S23	3	("369"/\$.ccls. "428"/\$.ccls. "235"/\$.ccls. "360"/\$.ccls. "438"/\$.ccls. "257"/\$.ccls.) and card with optic\$4 same trench	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 18:40
S24	52	("369"/\$.ccls. "428"/\$.ccls. "235"/\$.ccls. "360"/\$.ccls. "438"/\$.ccls. "257"/\$.ccls.) and card with optic\$4 same (cavity or hole or trench) same (layer or film)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 18:46
S25	2	card near4 optical\$4 same "metal phase change"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 18:46
S26	2	card with optical\$4 same "metal phase change"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 18:46
S27	2	card same optical\$4 same "metal phase change"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 18:46
S28	2	card same "metal phase change"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 18:47
S29	33	"metal phase change"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 19:06
S30	31	428/64.4.ccls. and (trench or cavity or hole) with (layer or film) near3 protect\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 19:15
S31	98	("428"/\$.ccls. "369"/\$.ccls.) and (trench or cavity or hole or groove) with (layer or film) near3 protect\$4 same optical\$4 same dielectric	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 19:28
S32	2	("428"/\$.ccls. "369"/\$.ccls.) and (trench or cavity or hole or groove) with (layer or film) same "phase change" same dielectric same protect\$4 same reflect\$4 same dye	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 19:29

S33	2	("428"/\$.ccls. "369"/\$.ccls.) and (trench or cavity or hole or groove) same (layer or film) same "phase change" same dielectric same protect\$4 same reflect\$4 same dye	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 19:29
S34	151	("428"/\$.ccls. "369"/\$.ccls.) and (trench or cavity or hole or groove) same "phase change" same dielectric same reflect\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 19:30
S35	9	("428"/\$.ccls. "369"/\$.ccls.) and (trench or cavity or hole or groove) same "phase change" same dielectric same reflect\$4 same dye	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/28 19:33
S36	1	"6311893".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:07
S37	3407	("428"/\$.ccls. "369"/\$.ccls.) and (spiral) with track same (CD or optical or "compact disc")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:07
S38	2399	("428"/\$.ccls. "369"/\$.ccls.) and (spiral) with track with (CD or optical or "compact disc")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:08
S39	62	("428"/\$.ccls. "369"/\$.ccls.) and (spiral) with track with (CD or optical or "compact disc") with radius	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:11
S40	21	("428"/\$.ccls. "369"/\$.ccls.) and (spiral) with track with (CD or optical or "compact disc") with mov\$4 with center	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:14
S41	9	("4609812" "4680460" "4692394" "6199761" "4863819" "4542288" "4810868" "6502755" "6311893").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:16
S42	1	"6311893".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:17
S43	441	("428"/\$.ccls. "369"/\$.ccls.) and (spiral or arc or circular or circle) with (segment or track) same (optical\$2) same parallel	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:30
S44	14607	("428"/\$.ccls. "369"/\$.ccls.) and ("protective layer")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:30
S45	3730	("428"/\$.ccls. "369"/\$.ccls.) and ("protective layer") same "recording layer"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:32

S46	479	("428"/\$.ccls. "369"/\$.ccls.) and ("protective layer") same "recording layer" same (pit or trench or land)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:35
S47	0	("428"/\$.ccls. "369"/\$.ccls.) and ("protective layer") with (surround\$3 or envelop\$4 or encapsulat\$4) same "recording layer" same (pit or trench or land)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:35
S48	315	("428"/\$.ccls. "369"/\$.ccls.) and ("protective layer") with (surround\$3 or envelop\$4 or encapsulat\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 10:45
S49	172	("428"/\$.ccls. "369"/\$.ccls.) and ("protective layer") near5 (surround\$3 or envelop\$4 or encapsulat\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 11:10
S50	46	369/96.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 11:11
S51	1706	369/275.1.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 11:11
S52	716	369/275.1.ccls.	USPAT	OR	ON	2005/09/29 11:15
S53	1	"5591501".pn.	USPAT	OR	ON	2005/09/29 11:15
S54	3	("5063097"   "5401549"   "5418030").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:23
S55	5	"428"/\$.ccls. and "discrete recording"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:24
S56	141	("369"/\$.ccls. "428"/\$.ccls.) and discrete near5 recording same optical	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:49
S57	4123	("369"/\$.ccls.) and spiral near3 track	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:55
S58	799	("369"/\$.ccls.) and spiral near3 track same center	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:57
S59	55	("369"/\$.ccls.) and spiral near3 track same center near3 mov\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 12:04
S60	79	("369"/\$.ccls. "428"/\$.ccls.) and spiral with track with segment	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 12:14
S61	78	S60 not S59	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 12:05

S62	30	("369"/\$.ccls. "428"/\$.ccls.) and (crooked or variable or shape\$3) near3 track with segment	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 12:25
S63	2	("369"/\$.ccls. "428"/\$.ccls.) and (meander\$3 or wavy) near3 track with segment	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 12:26
S64	146	("369"/\$.ccls. "428"/\$.ccls.) and track with ((moving or varying or variable) near3 (center or radius))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 12:27
S65	65	("369"/\$.ccls. "428"/\$.ccls.) and track with ((moving or varying or variable) near3 (center or radius)) same optical\$2	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 13:47
S66	1892	("369"/\$.ccls. "428"/\$.ccls.) and dvd with track	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 13:47
S67	146	("369"/\$.ccls. "428"/\$.ccls.) and dvd with track with spiral	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 13:47





S69	21	S68 and dye	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 15:34
S70	53	S68 and (bond\$4 or heat\$4 or adhesive\$2 or adher\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 15:35
S71	34	("235"/\$.ccls. "428"/\$.ccls. "369"/\$.ccls.) and (heat\$3 or temperatur\$4 or thermal\$4) same (bond\$4 or attach\$4 or glu\$4 or adher\$4 or adhesiv\$3) same (optical\$2) same (overlap\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 17:34
S72	313	("235"/\$.ccls. "428"/\$.ccls. "369"/\$.ccls.) and (heat\$3 or temperatur\$4 or thermal\$4) same (bond\$4 or attach\$4 or glu\$4 or adher\$4 or adhesiv\$3) same (optical\$2) same (overlap\$4 or extend\$4 or narrow\$2 or wide\$1)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 17:39
S73	279	S72 not S71	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 17:34
S74	369	("235"/\$.ccls. "428"/\$.ccls. "369"/\$.ccls.) and (heat\$3 or temperatur\$4 or thermal\$4) with apply\$4 with "recording layer"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 17:40
S75	56	("235"/\$.ccls. "428"/\$.ccls. "369"/\$.ccls.) and (heat\$3 or temperatur\$4 or thermal\$4) with apply\$4 with "recording layer" same (glu\$4 or bond\$4 or adhesiv\$4 or adher\$4 or attach\$4 or laminat\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 17:41
S76	1	"20020153421".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/29 18:12

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